

APPENDIX B

PLANT COMMUNITY PHOTOS



Figure 1. Plant community 1 – *Acer rubrum* swamp.



Figure 2. Plant community 2 – sand barren. Note ATV tracks.



Figure 3. Plant community 3 – early successional hardwood stand.



Figure 4. Plant community 4 – *Pinus rigida* stand.



Figure 5. Plant community 5 – *Quercus alba* – *Q. ilicifolia* stand.



Figure 6. Plant community 6 – early successional shrubland.

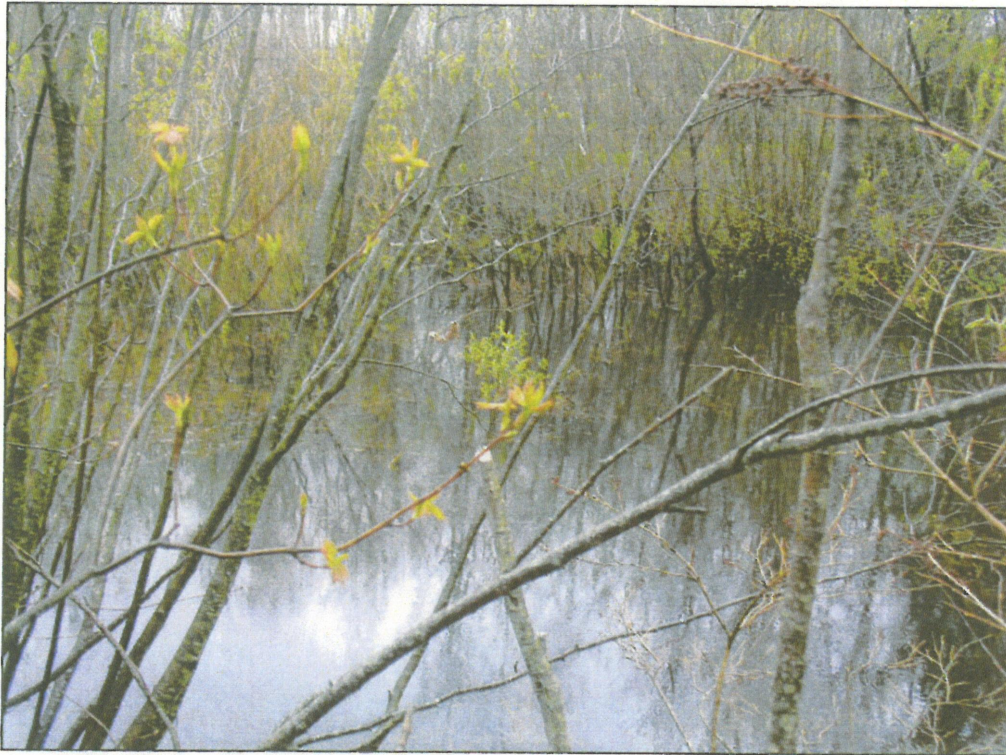


Figure 7. Plant community 7 – isolated wetland/vernal pool habitat.



Figure 8. Plant community 7 – degraded isolated wetland.

APPENDIX C

AGENCY CORRESPONDENCE



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



RECEIVED APR 08 2006

Bureau of Natural Resources
Division of Wildlife
79 Elm Street, 6th Floor
Hartford, CT 06106
Natural Diversity Data Base

April 5, 2006

Mr. D. Scott Atkin
Anchor Engineering Services, Inc.
75 Nutmeg Lane
Glastonbury, CT 06033

re: Brownfield Redevelopment of
Superfund Site with a 30 Biomass
Gasification Power Generation Facility
(a.k.a. Gallup's Quarry Superfund Site) on
Tarbox Road in Plainfield, Connecticut

Dear Mr. Atkin:

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed brownfield redevelopment of a superfund site with a 30 Biomass Gasification Power Generation Facility (a.k.a. Gallup's Quarry Superfund Site) on Tarbox Road in Plainfield, Connecticut. According to our information, there are known extant populations of State Endangered *Scaphiopus holbrookii* (eastern spadefoot), State Threatened *Ambystoma laterale* (blue-spotted salamander, diploid population) and State Special Concern *Passerculus sandwichensis* (savannah sparrow) that occur in the vicinity of this project site. I have sent your letter to Julie Victoria (DEP-Wildlife; 860-642-7239) for further review. She will write to you directly with her comments.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Natural Resources Center's Geological and Natural History Survey and cooperating units of DEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at 424-3592. Thank you for consulting the Natural Diversity Data Base. Also be advised that this is a preliminary review and not a final determination. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEP for the proposed site.

Sincerely,


Dawn M. McKay
Biologist/Environmental Analyst

Cc: Julie Victoria, NDDB # 14470



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



April 11, 2006

Mr. D. Scott Atkin
Anchor Engineering Services, Inc.
75 Nutmeg Lane
Glastonbury, CT 06033

re: Brownfield Redevelopment Superfund Site, Tarbox Road, Plainfield

Dear Mr. Atkin:

Your request was forwarded to me on 4/11/06 from Dawn McKay of the Department of Environmental Protection (DEP) Natural Diversity Data Base. Their records indicate that a state endangered species, Eastern Spadefoot Toad (*Scaphiopus holbrookii*), a state threatened species, Blue-spotted salamander (*Ambystoma laterale*) and a state species of special concern, Savannah sparrow (*Passerculus sandwichensis*) occurs in the vicinity of this property.

Blue-spotted salamanders are associated with riparian red maple swamps. They also occur in disjunct vernal wetlands near red maple swamps. They breed in March and April and may be found on the surface on wet rainy nights. They favor grassy or wooded, flood plain wetlands for breeding. If the favored habitats occur on this property and are going to be impacted than the blue-spotted salamander may be affected.


Limited information is known about Eastern Spadefoot Toad. They are very secretive and have irregular breeding periods. They are most active from June through August. They are expert burrowers going as deep as 2 meters in sandy well-drained soil. They are very rarely observed outside of the breeding period. Their habitat is described as arid to semi-arid areas, such as fields, farmland, dunes and woodlands with sandy or loose soils. And they breed in temporary bodies of water, flooded fields and forested wetlands. I've enclosed a fact sheet with life history information.

The Savannah Sparrow is a bird that nests in open, grassy areas. Its breeding season is approximately from May through August and it is during this period that the species is most susceptible to disturbances in its habitat. Minimizing impact to open fields, meadows, marshes, and other grassy areas during this time period will likewise minimize impact to this species. For further information on this species contact Jenny Dickson at the DEP Wildlife Sessions Woods office, 860-675-8130

The Wildlife Division has not been provided with details or a timetable of the work to be done. If this work will be conducted in these species' habitat, the Wildlife Division recommends that an ornithologist and herpetologist familiar with the habitat requirements of these species conduct surveys. A report summarizing the results of such surveys should include habitat descriptions, avian and herptile species list and a statement/resume giving the ornithologist' and herpetologist' qualifications. The DEP doesn't maintain a list of qualified surveyors. A DEP Wildlife Division permit may be required by the surveyors to conduct survey work, you should ask if your surveyor has one. The results of this investigation can be forwarded to the Wildlife Division and, after evaluation, recommendations for additional surveys, if any, will be made.

Consultation with the Wildlife Division should not be substituted for site-specific surveys that may be required for environmental assessments. Please be advised that should state permits be required or should state involvement occur in some other fashion, specific restrictions or conditions relating to the species discussed above may apply. In this situation, additional evaluation of the proposal by the DEP Wildlife Division should be requested. If you have any additional questions, please feel free to contact me at 860-642-7239. Thank you for the opportunity to comment.

Sincerely,


Julie Victoria, Wildlife Biologist
Franklin Swamp Wildlife Management Area
391 Route 32
N. Franklin, CT 06254

cc: D. McKay - (123047) 14465



FILE

952-01

Connecticut Natural Diversity Data Base Review Request Form

Please complete this form *only* if you have conducted a review which determined that your activity is located in an area of concern.

Name: **Anchor Engineering Services, Inc.**

Affiliation: **Consultant**

Mailing Address: **75 Nutmeg Lane**

City/Town: **Glastonbury**

State: **CT**

Zip Code: **06033**

Business Phone: **860-633-8770**

ext.

Fax: **860-633-5971**

Contact Person: **D. Scott Atkin**

Title: **Vice President**

Project or Site Name: **Tarbox Road, LLC (aka Gallup's Quarry Superfund Site)**

Project Location

Town: **Plainfield**

USGS Quad: **Plainfield**

Brief Description of Proposed Activities:

Proposed brownfield redevelopment of Superfund Site with a 30MW Biomass Gasification Power Generation Facility.

Have you conducted a "State and Federal Listed Species and Natural Communities Map" review?

☒ Yes ☐ No

Date of Map: **Dec. 2005**

Has a field survey been previously conducted to determine the presence of any endangered, threatened or special concern species? ☐ Yes ☒ No

If yes, provide the following information and submit a copy of the field survey with this form.

Biologists Name:

Address:

If the project will require a permit, list type of permit, agency and date or proposed date of application:
see attached statement

MAR 22 2006

(See reverse side - you must sign the certification on the reverse side of this form)

The Connecticut Natural Diversity Data Base (CT NDDB) information will be used for:

- ☒ permit application
- ☒ environmental assessment (give reasons for assessment):
EPA requirement

☐ other (specify):

"I certify that the information supplied on this form is complete and accurate, and that any material supplied by the CT NDDB will not be published without prior permission."

D. Scott Ouel
Signature

March 22, 2006
Date

All requests must include a USGS topographic map with the project boundary clearly delineated.

Return completed form to:

WILDLIFE DIVISION
BUREAU OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM ST, 6TH FLOOR
HARTFORD, CT 06106-5127

* You must submit a copy of this completed form with your registration or permit application.

